

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021615\
 Data File : BE089571.D
 Acq On : 16 Feb 2015 15:48
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Quant Time: Feb 16 17:18:03 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 17:05:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	81848	5.00	ng	0.00
7) Naphthalene-d8	12.25	136	331055	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	161408	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	312763	5.00	ng	0.00
20) Chrysene-d12	23.65	240	341593	5.00	ng	0.00
27) Perylene-d12	25.34	264	310647	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.51	112	47277	1.74	ng	0.00
4) Phenol-d6	8.62	99	62910	1.87	ng	0.00
8) Nitrobenzene-d5	10.61	82	27202	1.10	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	7214	2.25	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	86654	1.72	ng	0.00
22) Terphenyl-d14	22.30	244	94903	2.91	ng	0.00

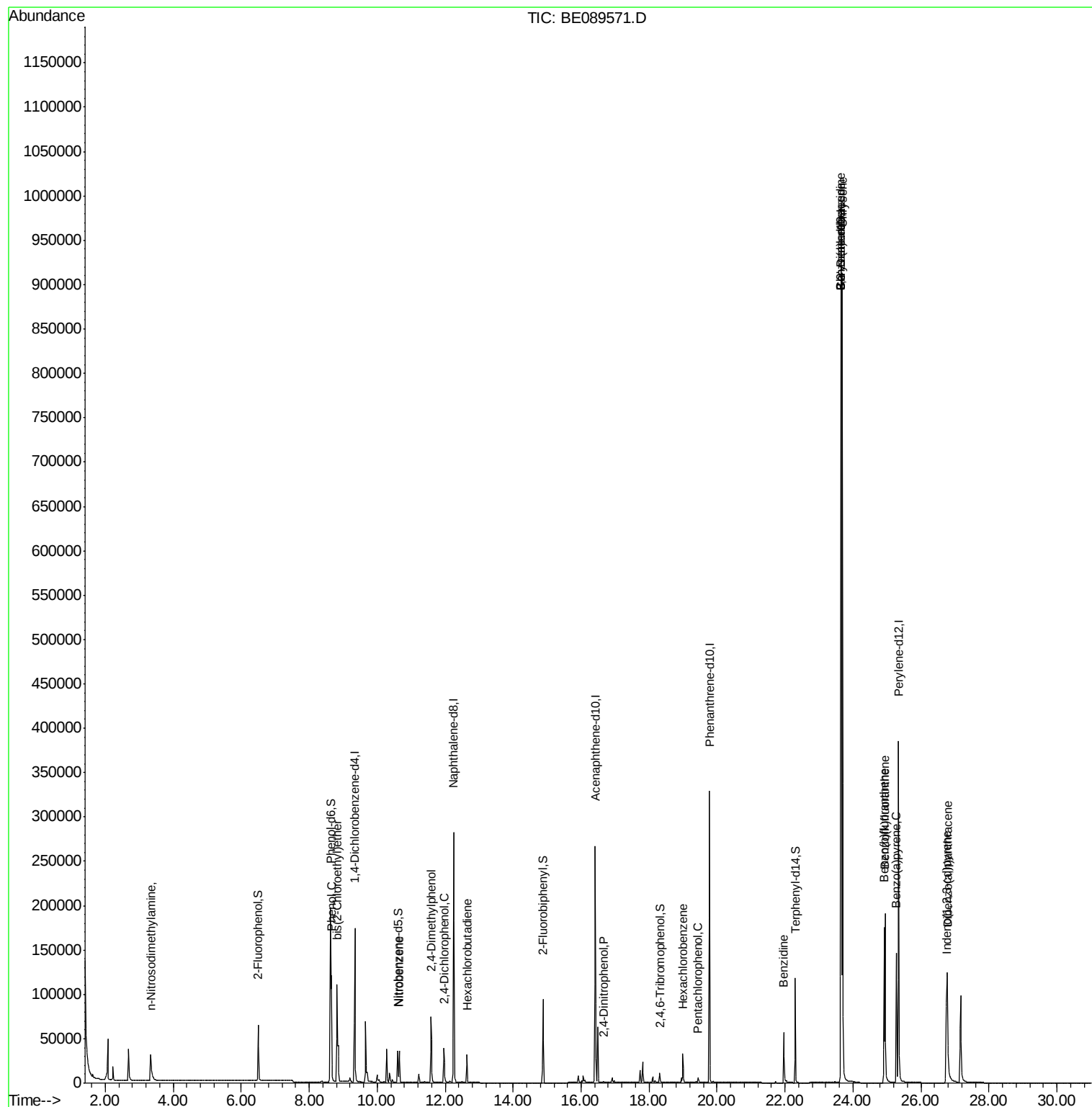
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.33	42	24481	1.78	ng	# 79
5) Phenol	8.65	94	68106	2.01	ng	# 36
6) bis(2-Chloroethyl)ether	8.83	93	51246	2.01	ng	# 100
9) Nitrobenzene	10.65	77	33422	1.20	ng	# 100
10) 2,4-Dimethylphenol	11.59	122	39354	1.69	ng	98
11) 2,4-Dichlorophenol	11.97	162	30512	1.84	ng	95
12) Hexachlorobutadiene	12.64	225	19700	1.82	ng	# 100
16) 2,4-Dinitrophenol	16.65	184	1040	0.94	ng	87
18) Hexachlorobenzene	19.00	284	26021	1.68	ng	# 85
19) Pentachlorophenol	19.44	266	4697	1.62	ng	98
21) Benzidine	21.96	184	66282	2.35	ng	99
23) Benzo(a)anthracene	23.64	228	682778	2.83	ng	96
24) 3,3'-Dichlorobenzidine	23.64	252	50872	2.20	ng	97
25) Chrysene	23.69	228	639791	1.60	ng	91
26) Indeno(1,2,3-cd)pyrene	26.74	276	167606	0.89	ng	# 100
28) Benzo(b)fluoranthene	24.91	252	143619	5.27	ng	96
29) Benzo(k)fluoranthene	24.94	252	171362	2.65	ng	96
30) Benzo(a)pyrene	25.27	252	132832	3.79	ng	98
31) Dibenzo(a,h)anthracene	26.78	278	134066	4.40	ng	97

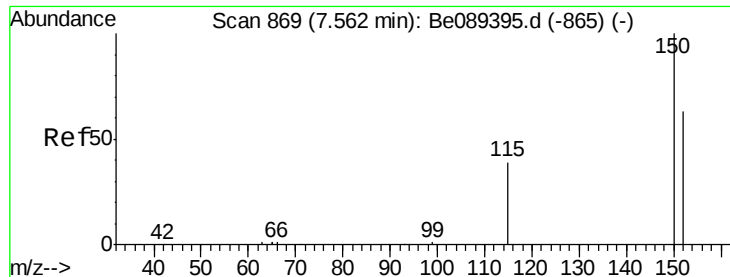
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021615\
Data File : BE089571.D
Acq On : 16 Feb 2015 15:48
Operator : TP/IZ
Sample : SSTDIC002
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDIC002

Quant Time: Feb 16 17:18:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 16 17:05:37 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

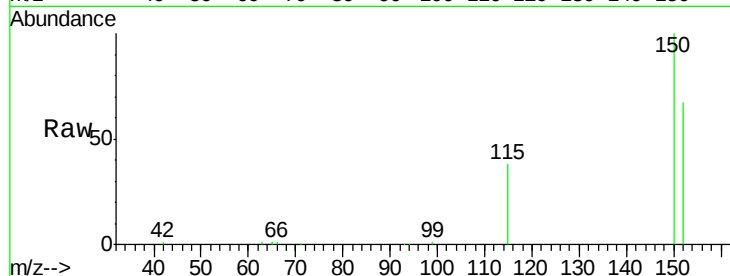
Tgt Ion:152 Resp: 81848

Ion Ratio Lower Upper

152 100

150 150.3 121.4 182.2

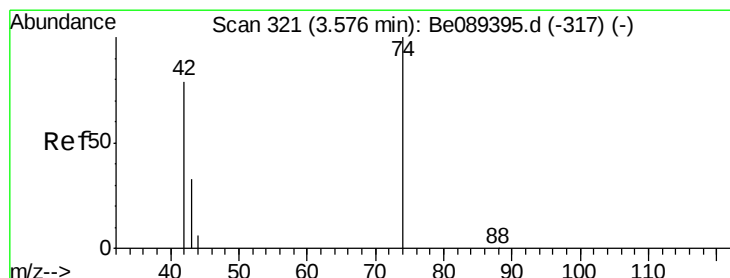
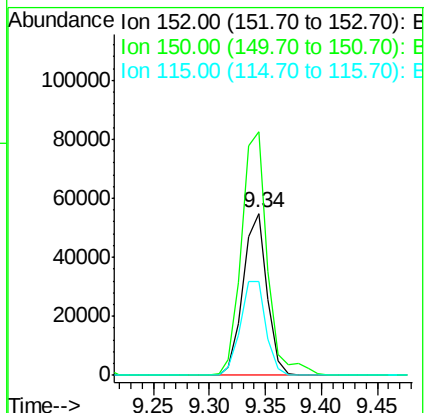
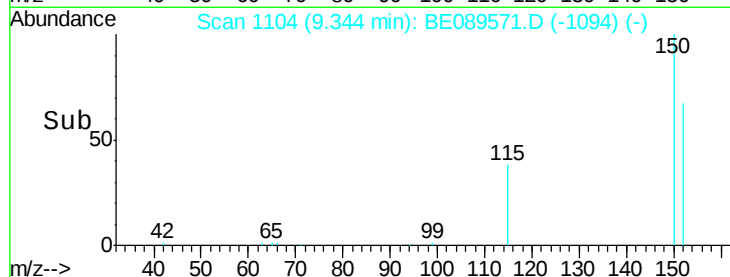
115 57.7 47.2 70.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 1.78 ng

RT: 3.33 min Scan# 285

Delta R.T. 0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

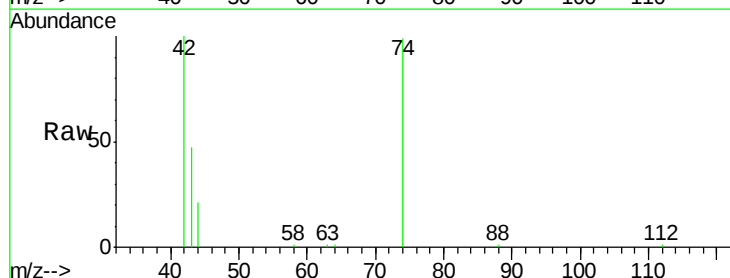
Tgt Ion: 42 Resp: 24481

Ion Ratio Lower Upper

42 100

74 99.2 96.9 145.3

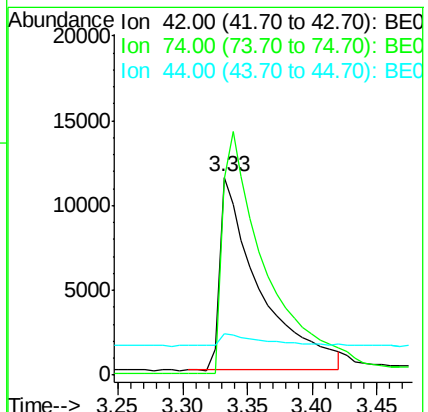
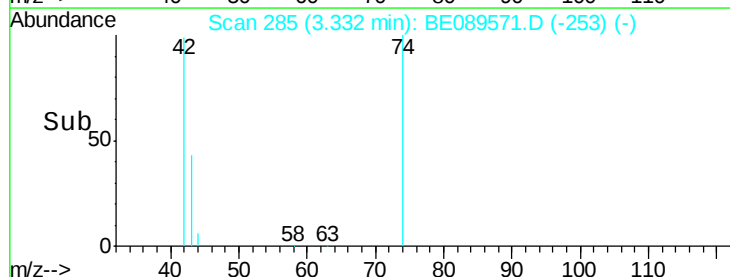
44 20.8 6.7 10.1#

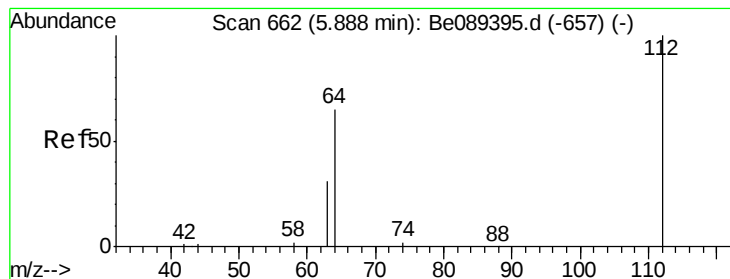


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 1.74 ng

RT: 6.51 min Scan# 753

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

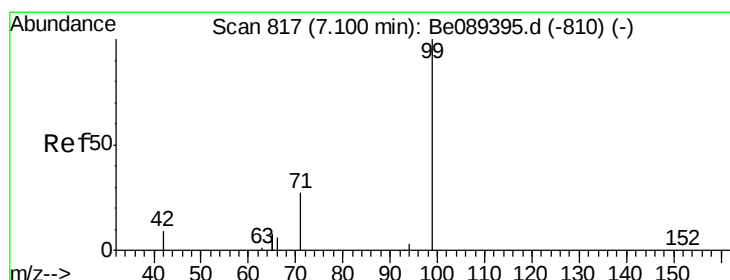
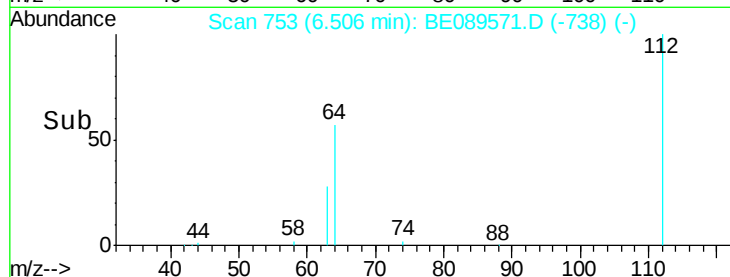
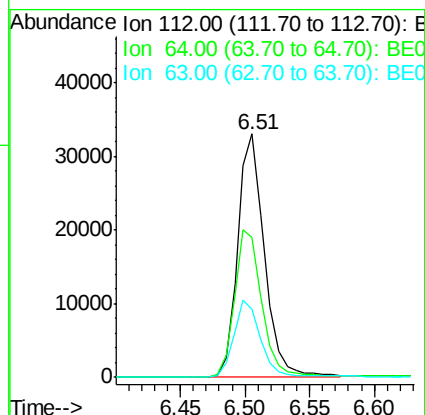
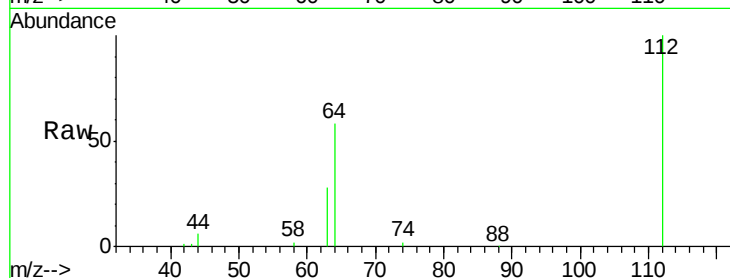
Instrument :

BNA_E

LabSampleId :

SSTDICC002

Tgt Ion:	112	Resp:	47277
Ion	Ratio	Lower	Upper
112	100		
64	57.6	53.6	80.4
63	28.0	27.3	40.9



#4

Phenol-d6

Concen: 1.87 ng

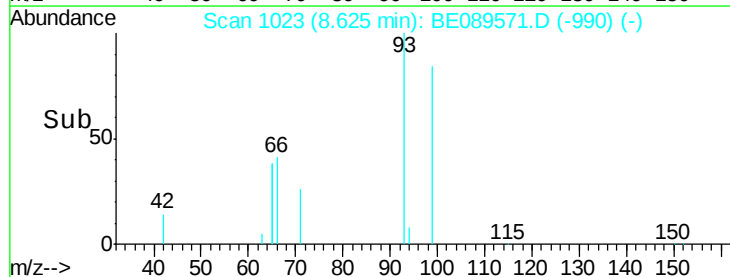
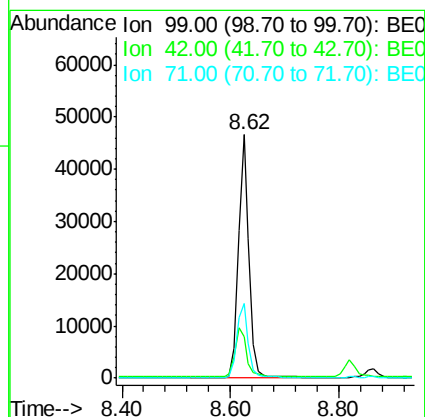
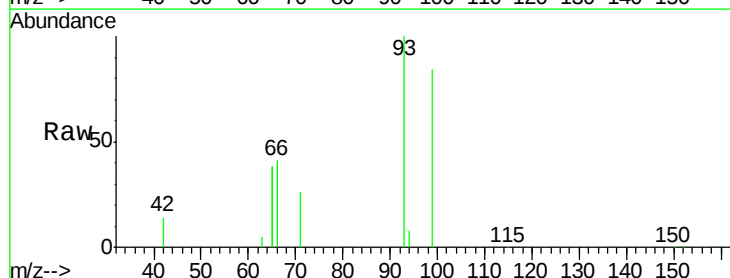
RT: 8.62 min Scan# 1023

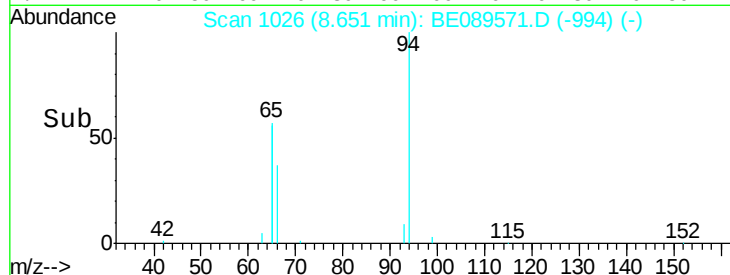
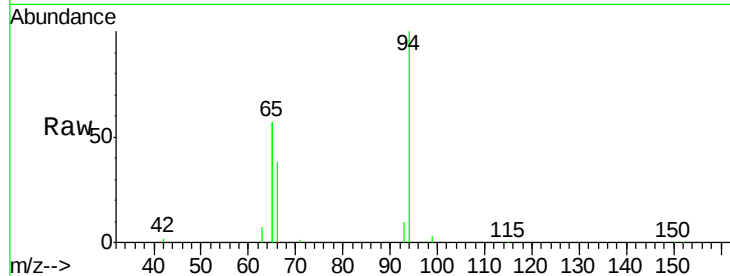
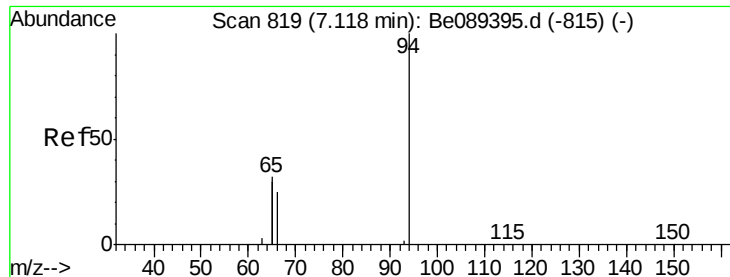
Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Tgt Ion:	99	Resp:	62910
Ion	Ratio	Lower	Upper
99	100		
42	16.8	18.5	27.7#
71	30.8	28.2	42.2





#5

Phenol

Concen: 2.01 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

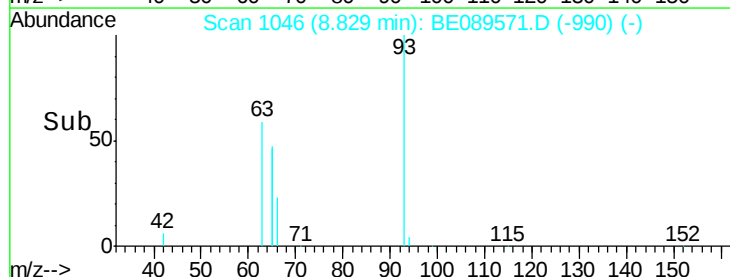
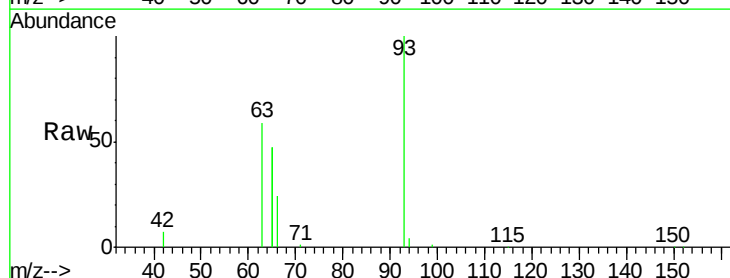
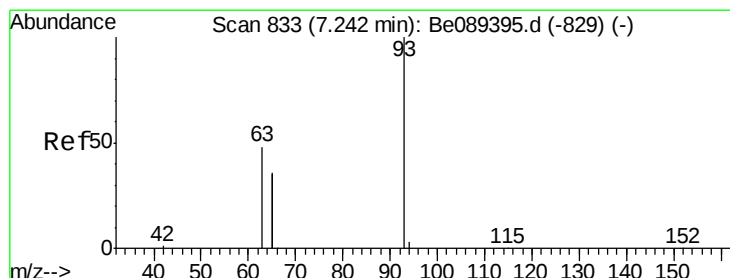
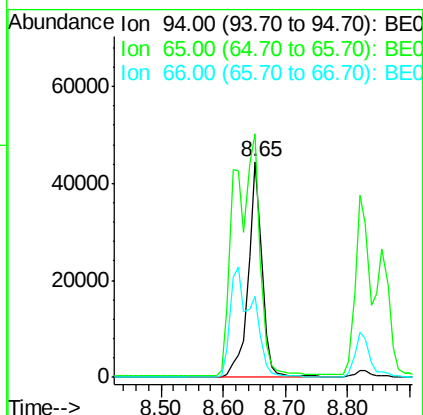
Tgt Ion: 94 Resp: 68106

Ion Ratio Lower Upper

94 100

65 113.0 25.8 65.8#

66 37.6 11.9 51.9



#6

bis(2-Chloroethyl)ether

Concen: 2.01 ng

RT: 8.83 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

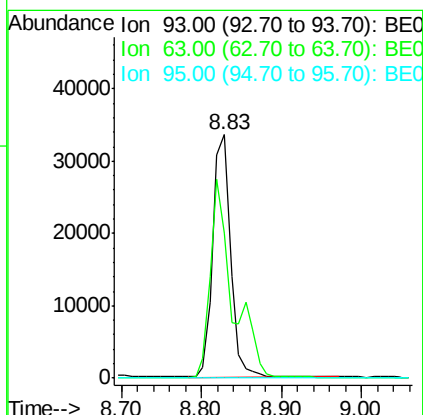
Tgt Ion: 93 Resp: 51246

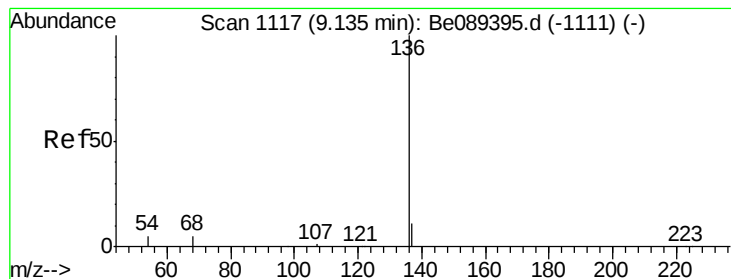
Ion Ratio Lower Upper

93 100

63 103.3 0.0 0.0#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

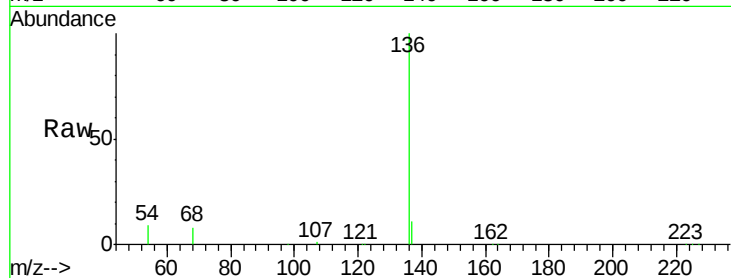
Tgt Ion: 136 Resp: 331055

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

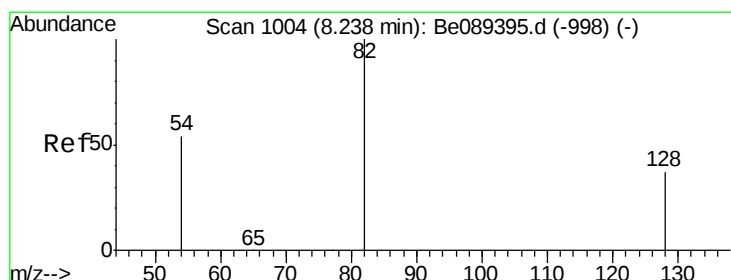
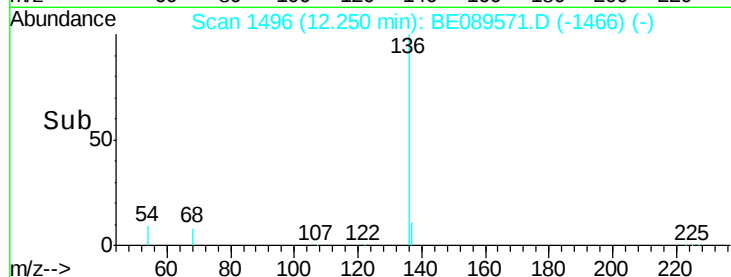
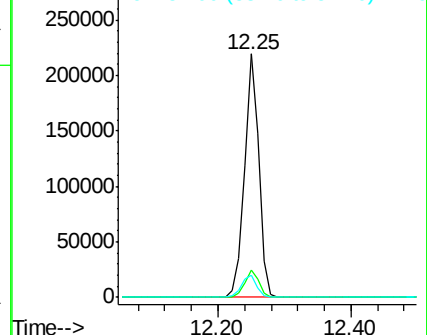
54 9.0 8.6 13.0



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 1.10 ng

RT: 10.61 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

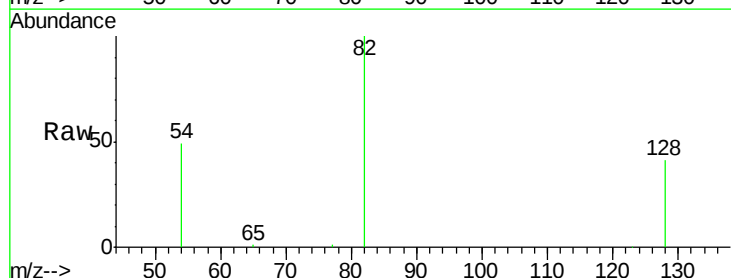
Tgt Ion: 82 Resp: 27202

Ion Ratio Lower Upper

82 100

128 41.0 33.4 50.0

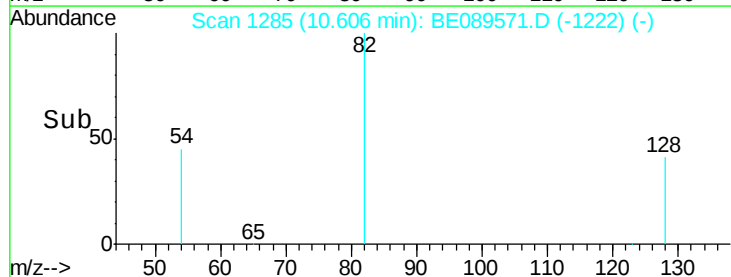
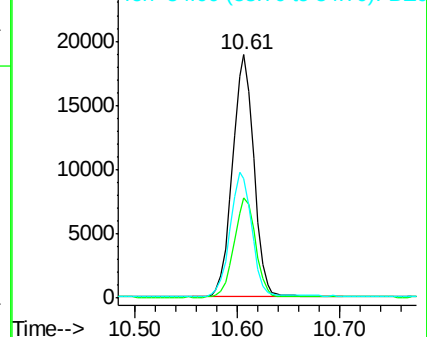
54 49.0 39.4 59.2

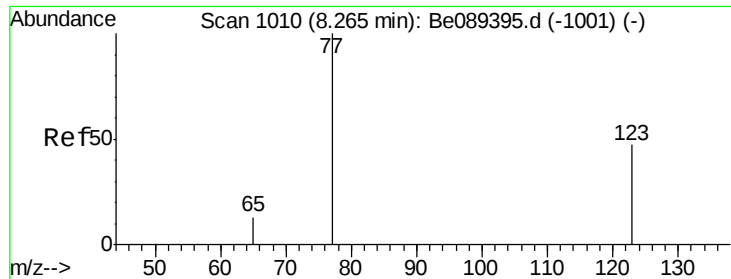


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 1.20 ng

RT: 10.65 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

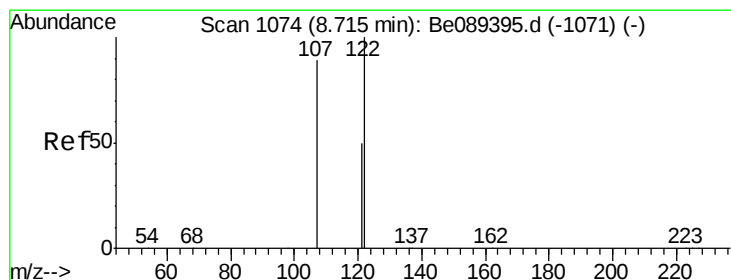
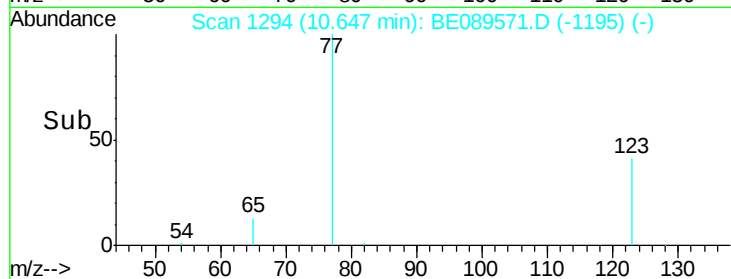
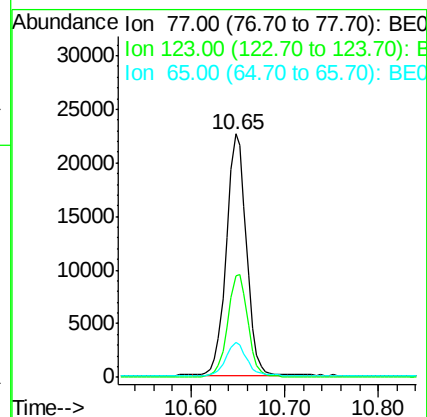
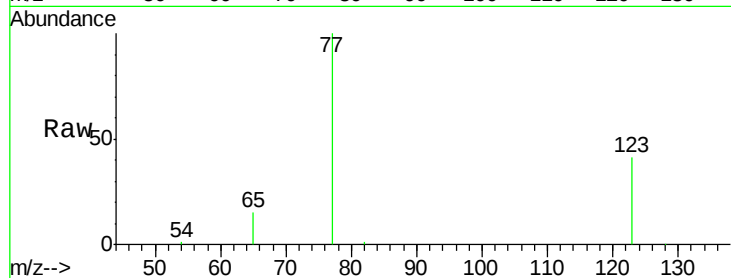
Tgt Ion: 77 Resp: 33422

Ion Ratio Lower Upper

77 100

123 42.5 0.0 0.0#

65 14.7 0.0 0.0#



#10

2,4-Dimethylphenol

Concen: 1.69 ng

RT: 11.59 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

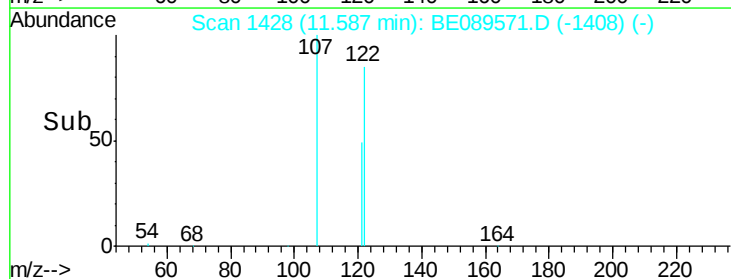
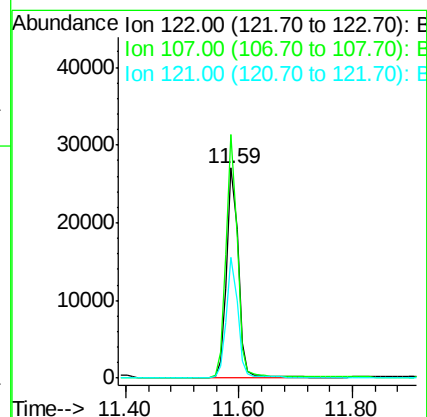
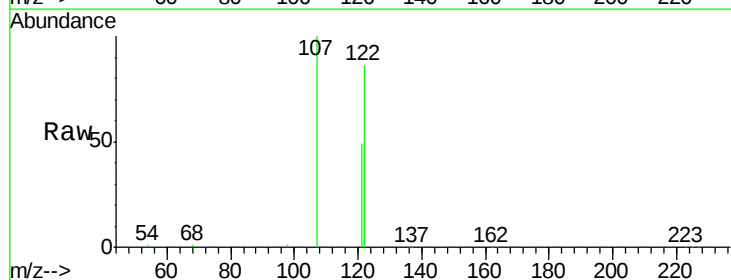
Tgt Ion: 122 Resp: 39354

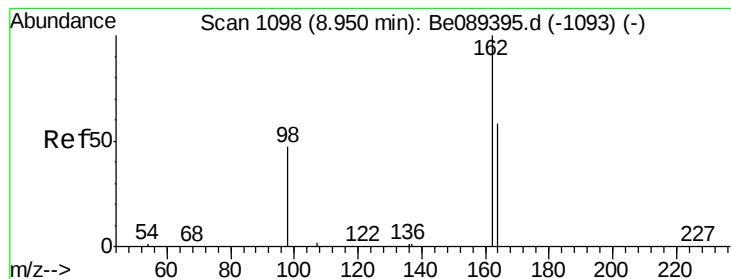
Ion Ratio Lower Upper

122 100

107 116.0 95.1 142.7

121 57.3 46.4 69.6





#11

2,4-Dichlorophenol

Concen: 1.84 ng

RT: 11.97 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

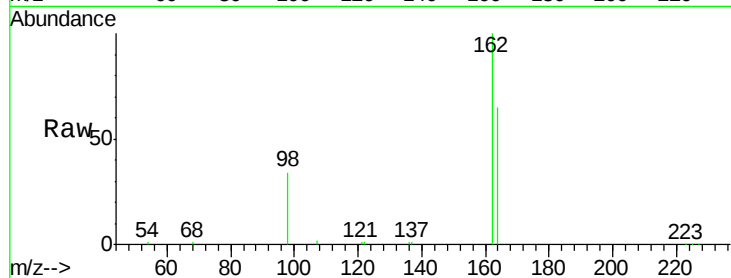
Tgt Ion:162 Resp: 30512

Ion Ratio Lower Upper

162 100

164 64.6 42.7 82.7

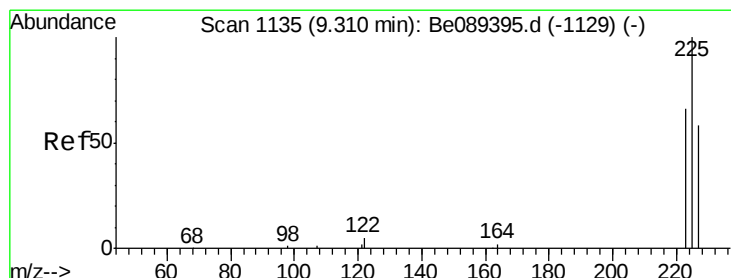
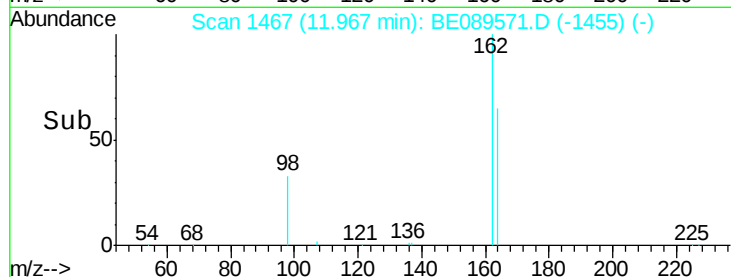
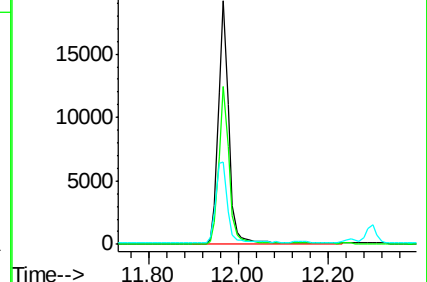
98 34.0 19.4 59.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BE0



#12

Hexachlorobutadiene

Concen: 1.82 ng

RT: 12.64 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

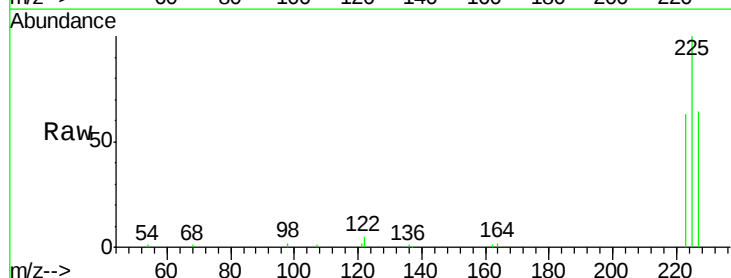
Tgt Ion:225 Resp: 19700

Ion Ratio Lower Upper

225 100

223 62.8 0.0 0.0#

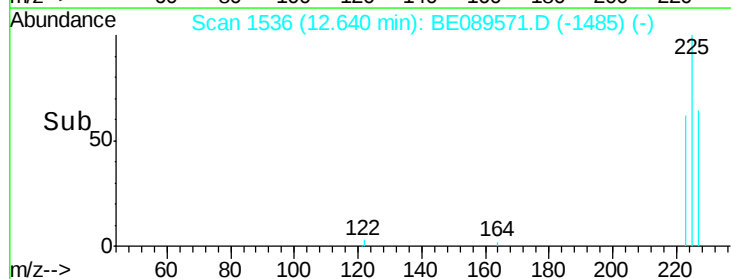
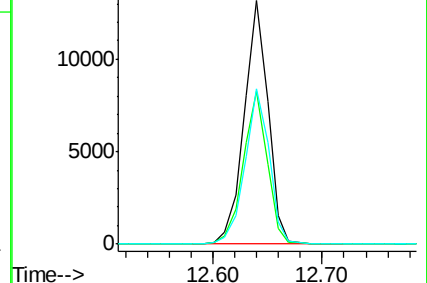
227 64.1 0.0 0.0#

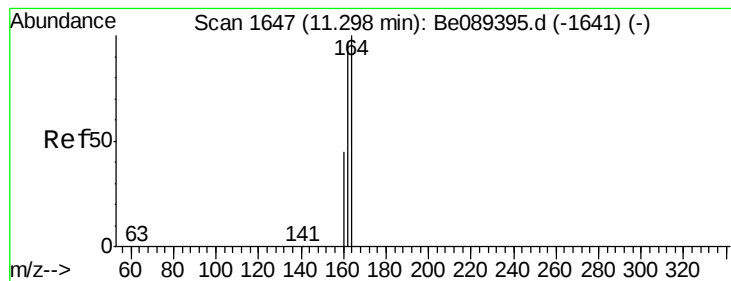


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

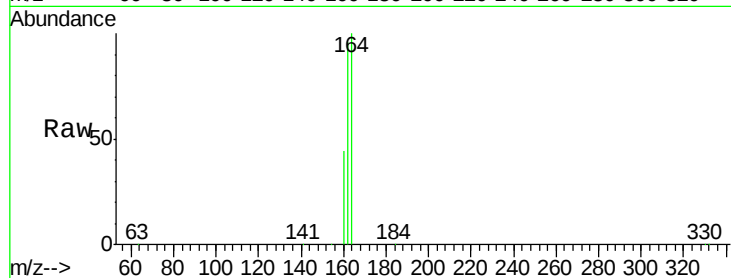
Tgt Ion:164 Resp: 161408

Ion Ratio Lower Upper

164 100

162 96.1 77.9 116.9

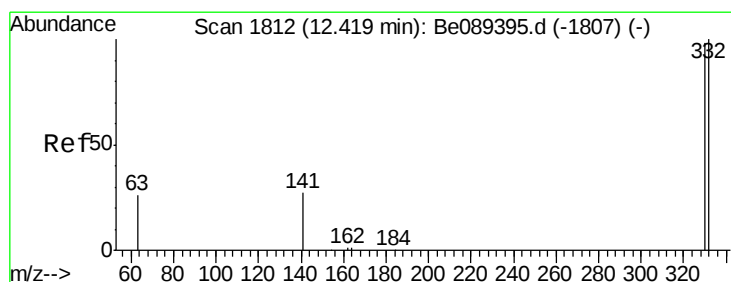
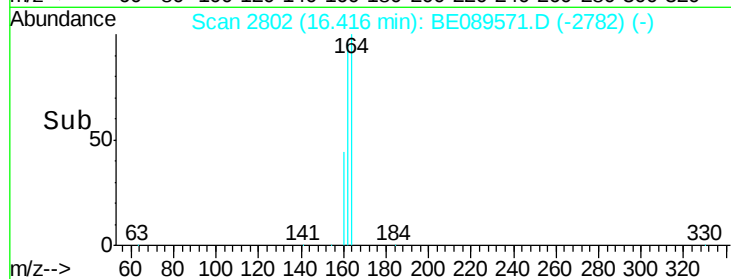
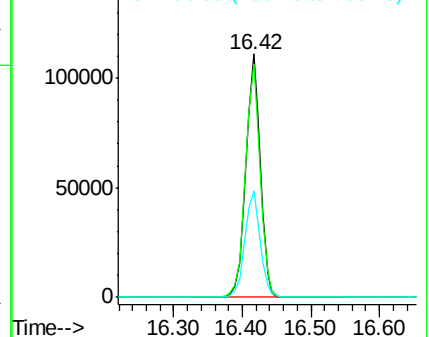
160 43.9 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 2.25 ng

RT: 18.31 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

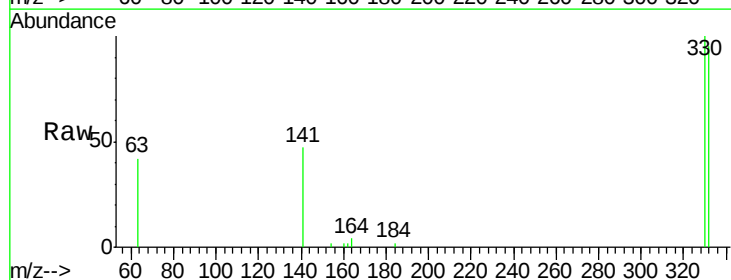
Tgt Ion:330 Resp: 7214

Ion Ratio Lower Upper

330 100

332 97.5 0.0 0.0#

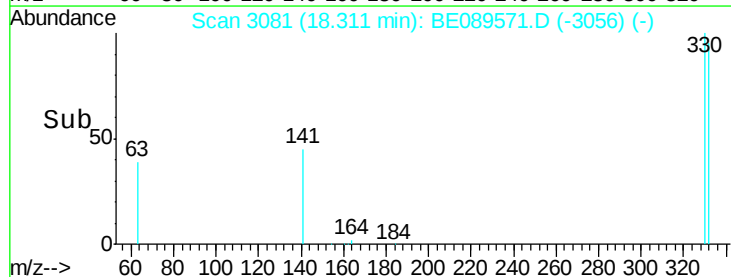
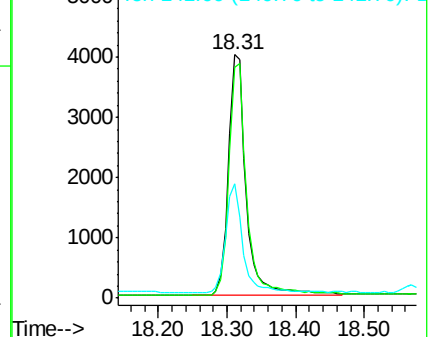
141 43.5 0.0 0.0#

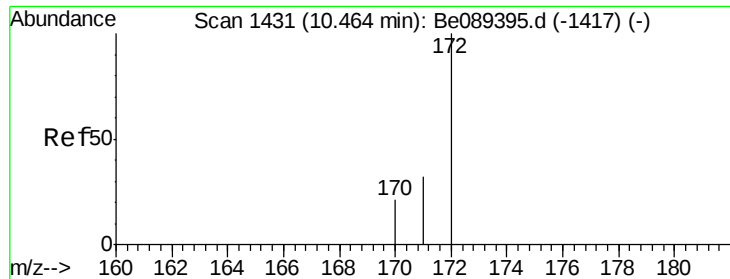


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

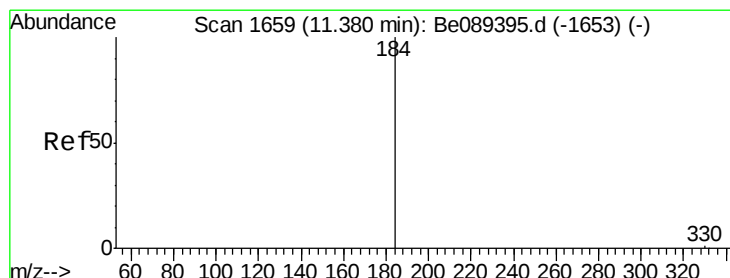
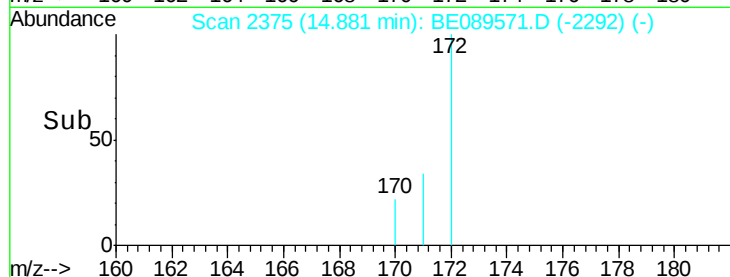
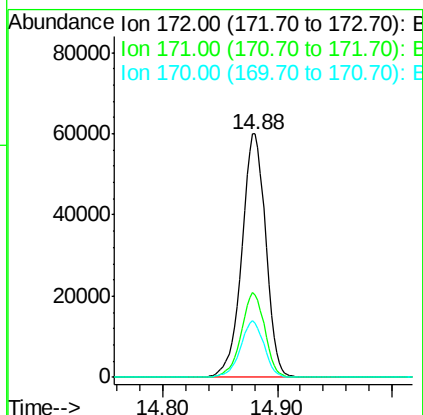
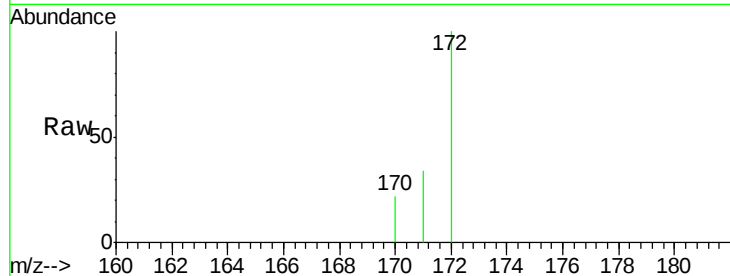




#15
2-Fluorobiphenyl
Concen: 1.72 ng
RT: 14.88 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

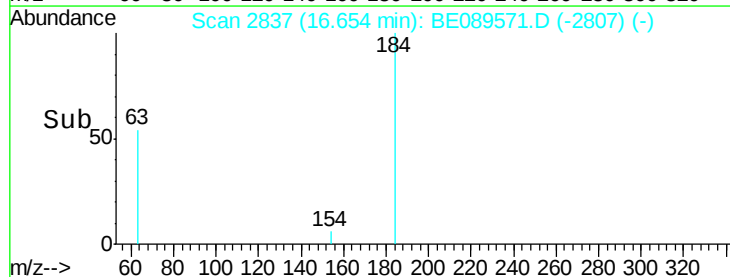
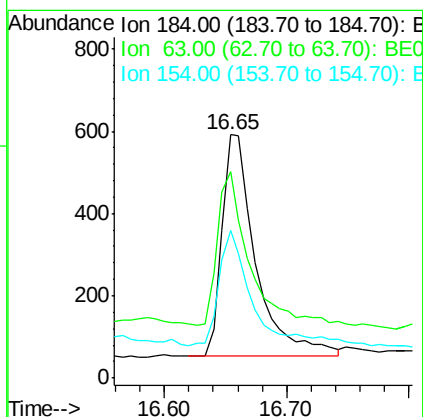
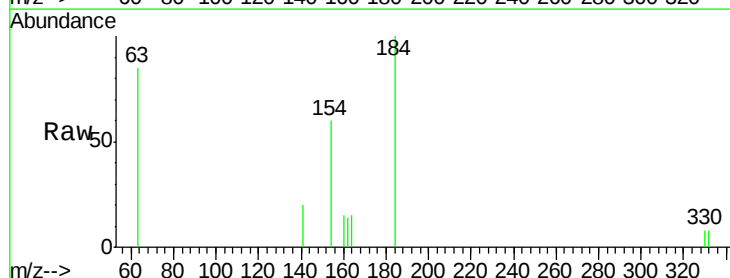
Instrument :
BNA_E
LabSampleId :
SSTDIC002

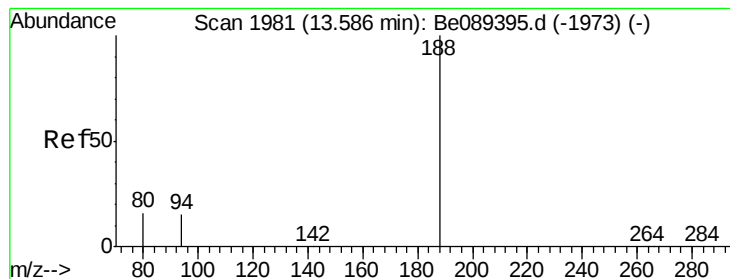
Tgt Ion:172 Resp: 86654
Ion Ratio Lower Upper
172 100
171 34.0 27.4 41.0
170 22.4 18.3 27.5



#16
2,4-Dinitrophenol
Concen: 0.94 ng
RT: 16.65 min Scan# 2837
Delta R.T. -0.00 min
Lab File: BE089571.D
Acq: 16 Feb 2015 15:48

Tgt Ion:184 Resp: 1040
Ion Ratio Lower Upper
184 100
63 84.6 58.1 87.1
154 60.5 42.0 63.0





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3293

Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDIC002

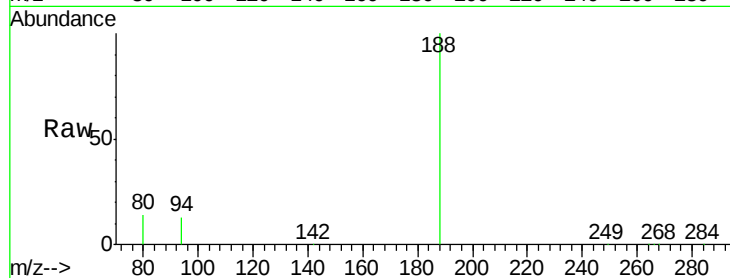
Tgt Ion:188 Resp: 312763

Ion Ratio Lower Upper

188 100

94 12.7 9.7 14.5

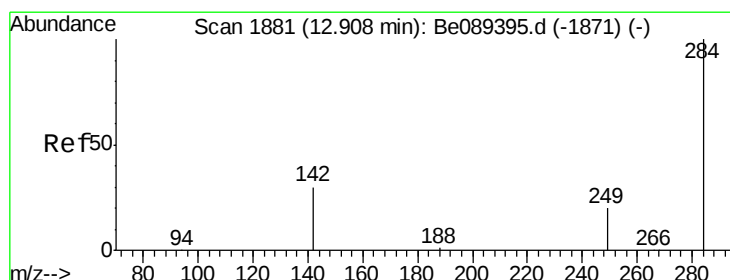
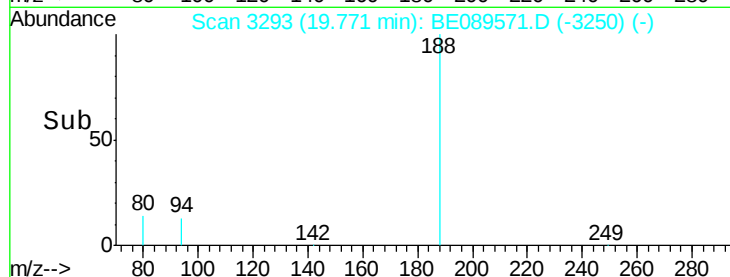
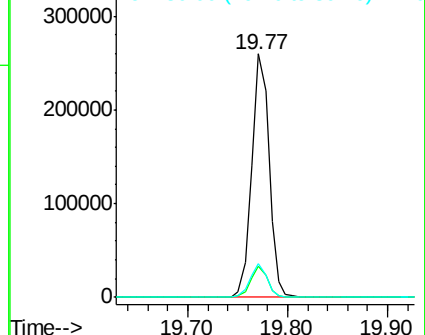
80 13.7 10.2 15.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Hexachlorobenzene

Concen: 1.68 ng

RT: 19.00 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

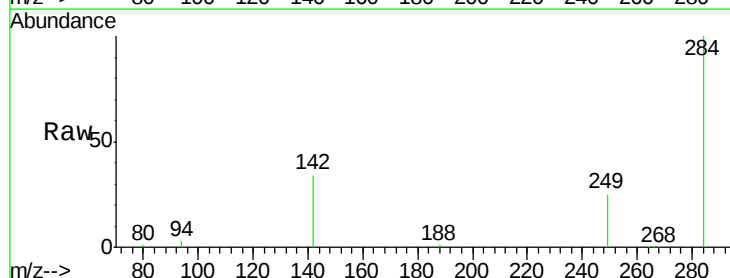
Tgt Ion:284 Resp: 26021

Ion Ratio Lower Upper

284 100

142 34.1 36.6 54.8#

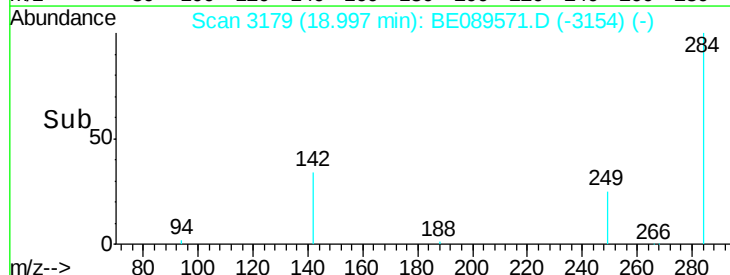
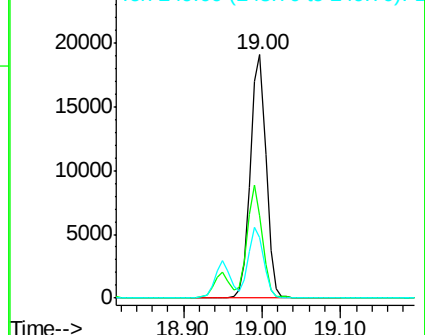
249 24.9 24.4 36.6

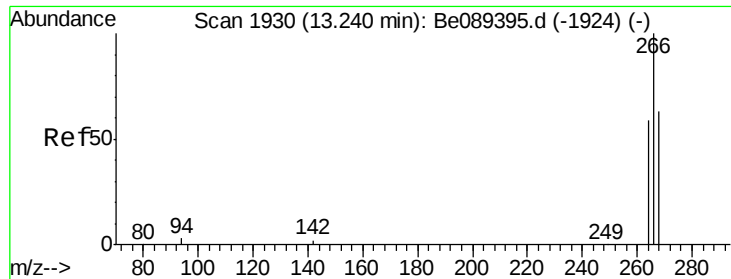


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#19

Pentachlorophenol

Concen: 1.62 ng

RT: 19.44 min Scan# 3244

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

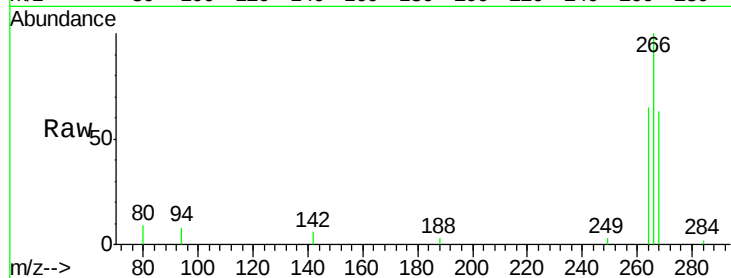
Tgt Ion:266 Resp: 4697

Ion Ratio Lower Upper

266 100

268 63.1 48.6 72.8

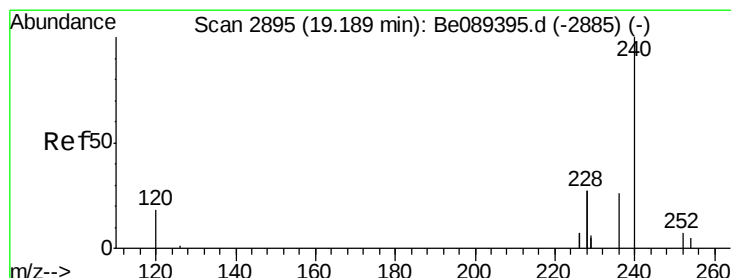
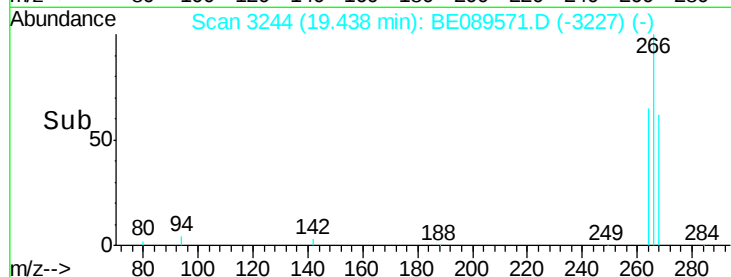
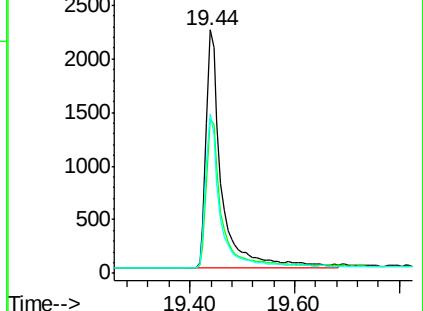
264 65.2 52.6 78.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.65 min Scan# 3930

Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

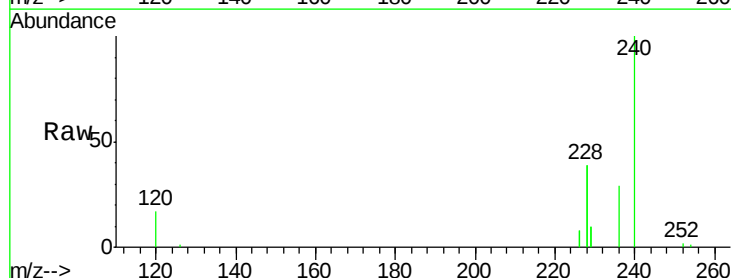
Tgt Ion:240 Resp: 341593

Ion Ratio Lower Upper

240 100

120 16.8 6.6 9.8#

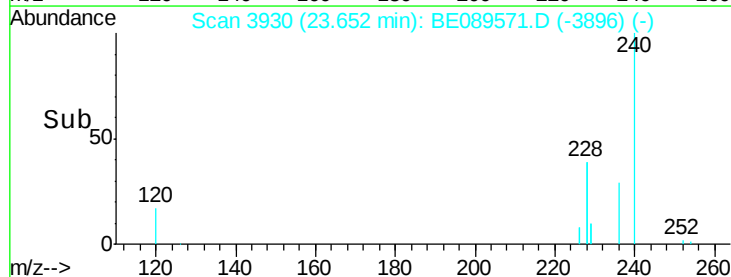
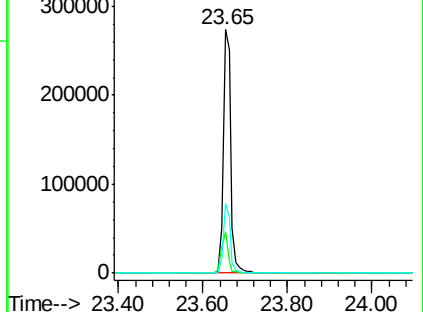
236 28.6 21.1 31.7

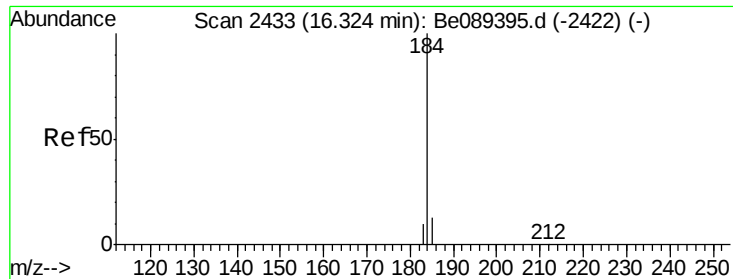


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 2.35 ng

RT: 21.96 min Scan# 3660

Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

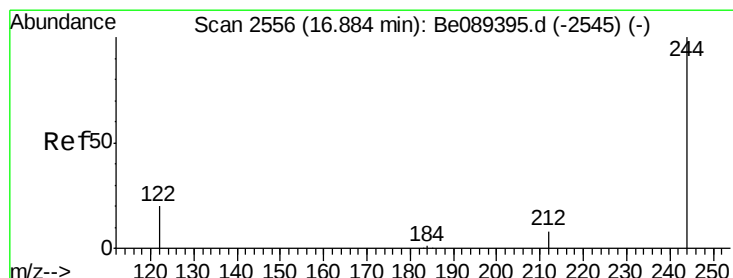
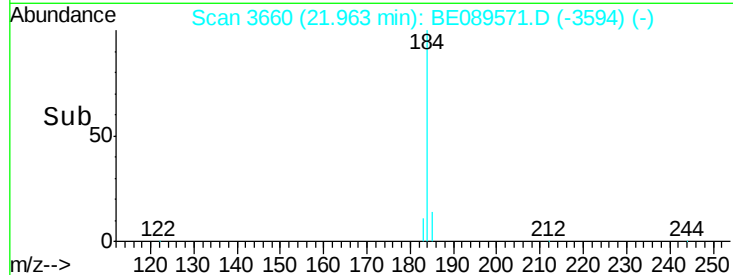
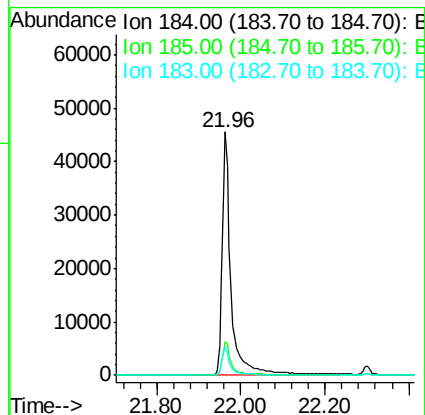
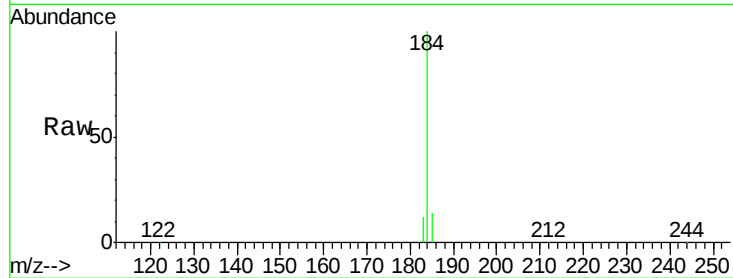
Tgt Ion:184 Resp: 66282

Ion Ratio Lower Upper

184 100

185 14.1 11.8 17.8

183 11.5 9.0 13.6



#22

Terphenyl-d14

Concen: 2.91 ng

RT: 22.30 min Scan# 3734

Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

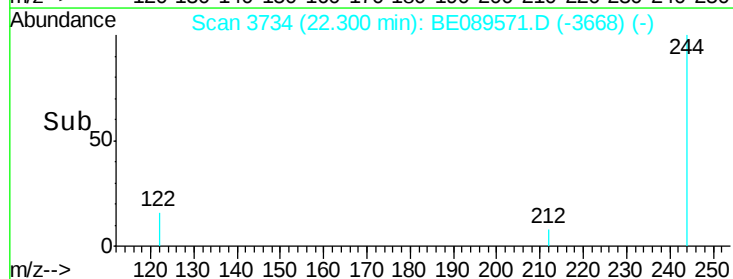
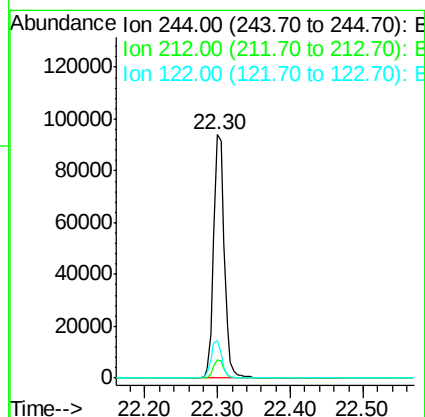
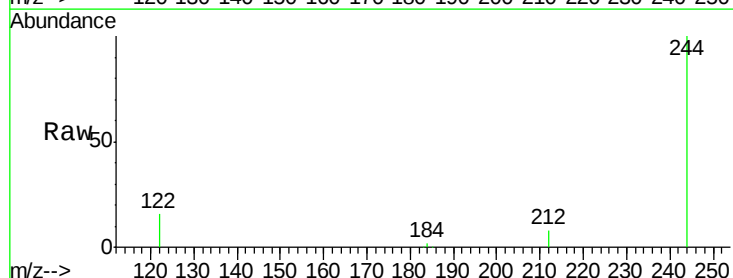
Tgt Ion:244 Resp: 94903

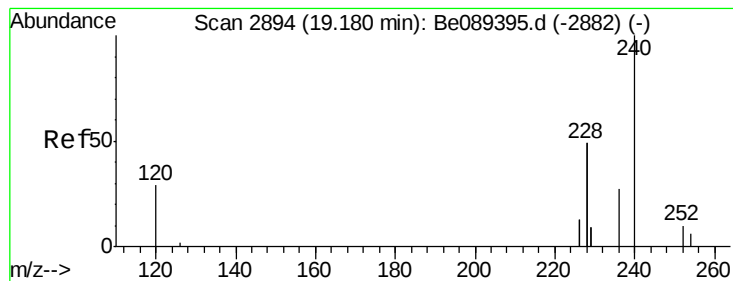
Ion Ratio Lower Upper

244 100

212 7.8 6.6 9.8

122 15.6 13.1 19.7





#23

Benzo(a)anthracene

Concen: 2.83 ng

RT: 23.64 min Scan# 3929

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

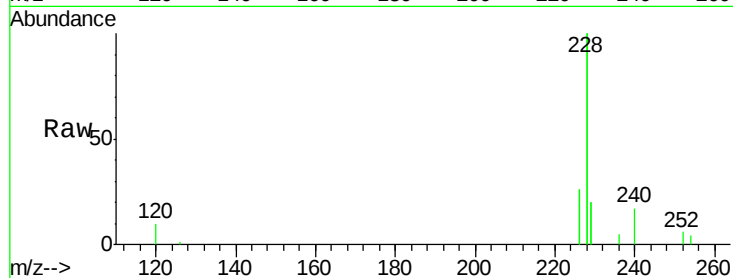
Tgt Ion:228 Resp: 682778

Ion Ratio Lower Upper

228 100

226 25.5 23.4 35.0

229 20.3 16.1 24.1

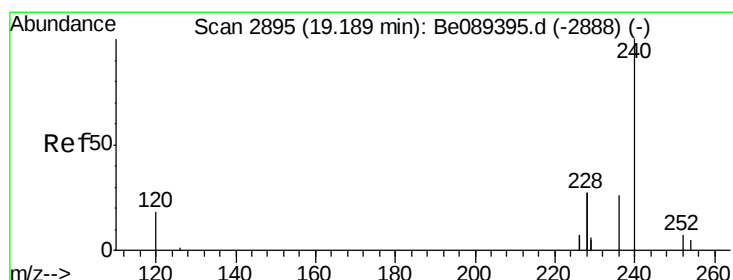
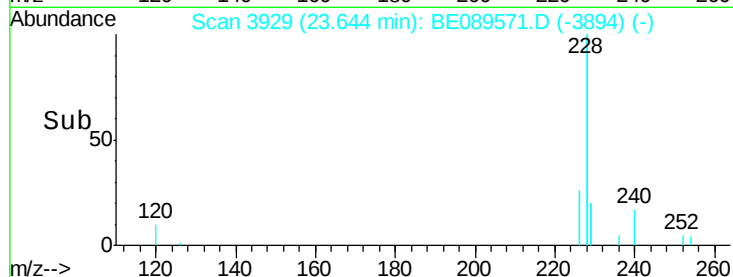
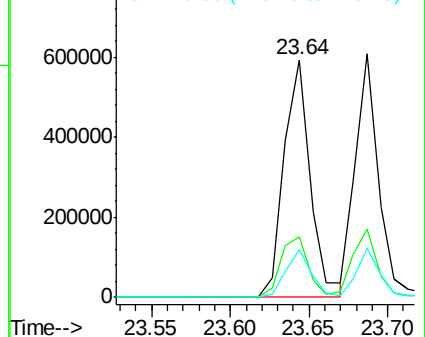


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 2.20 ng

RT: 23.64 min Scan# 3928

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

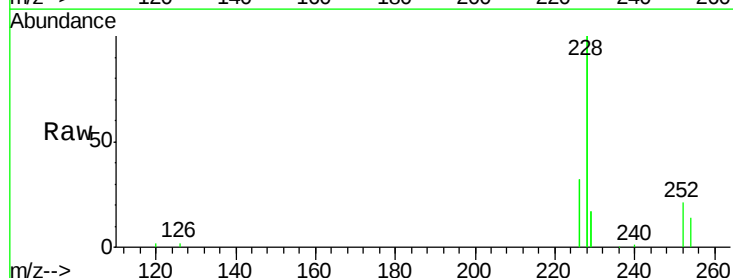
Tgt Ion:252 Resp: 50872

Ion Ratio Lower Upper

252 100

254 65.7 50.5 75.7

126 8.6 7.0 10.6

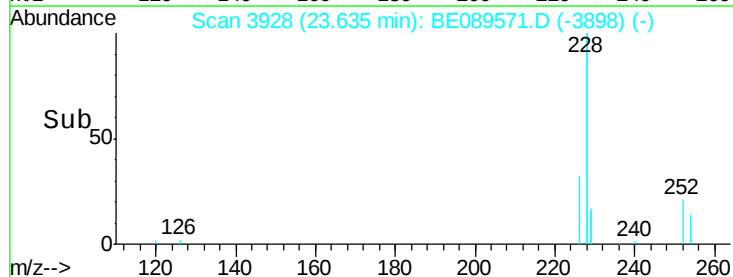
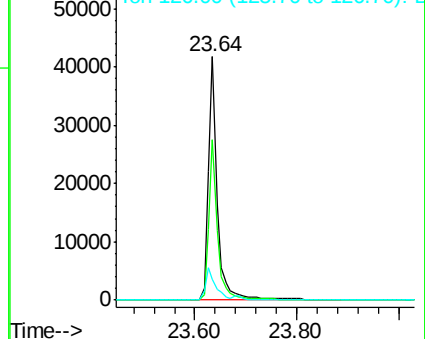


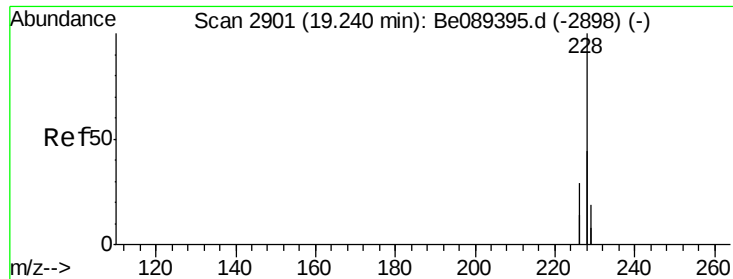
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 1.60 ng

RT: 23.69 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

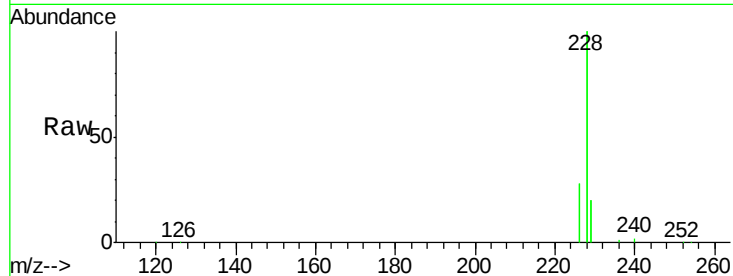
Tgt Ion:228 Resp: 639791

Ion Ratio Lower Upper

228 100

226 28.2 27.8 41.6

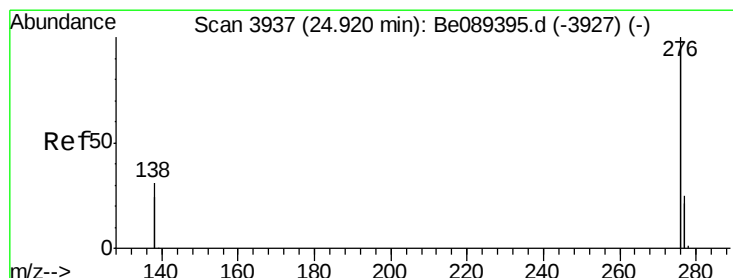
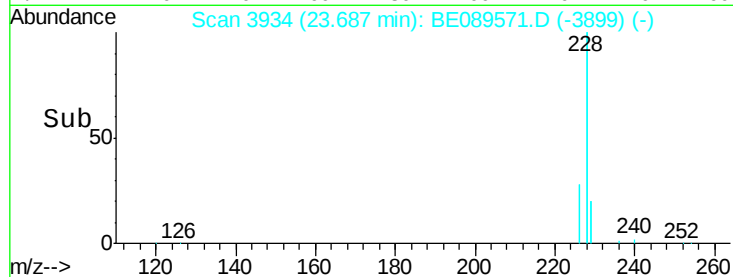
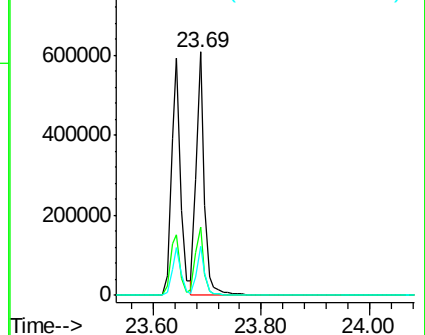
229 20.1 14.8 22.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.89 ng

RT: 26.74 min Scan# 4544

Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

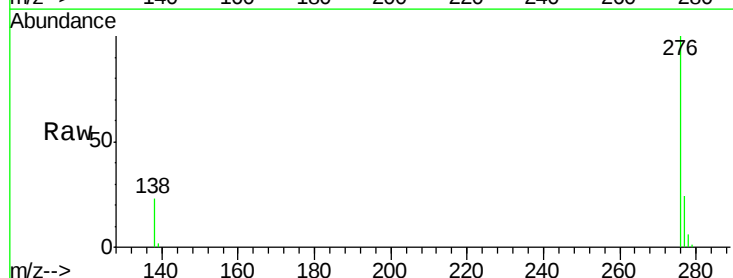
Tgt Ion:276 Resp: 167606

Ion Ratio Lower Upper

276 100

138 28.0 0.0 0.0#

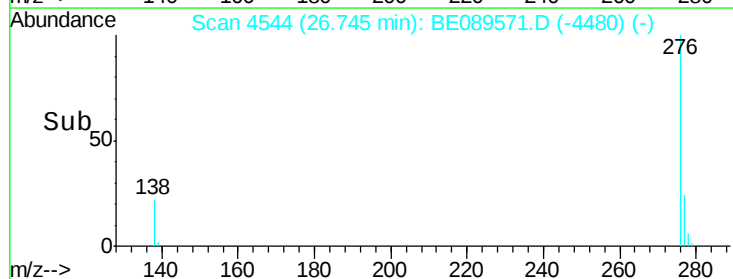
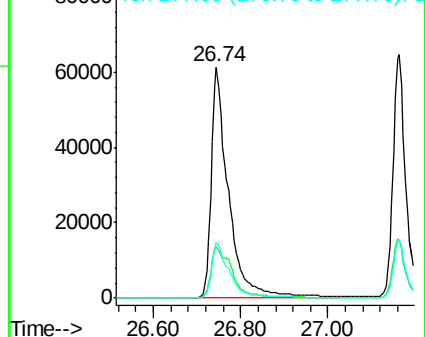
277 25.1 0.0 0.0#

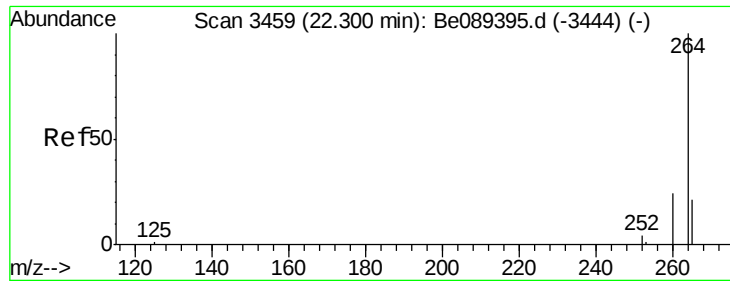


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

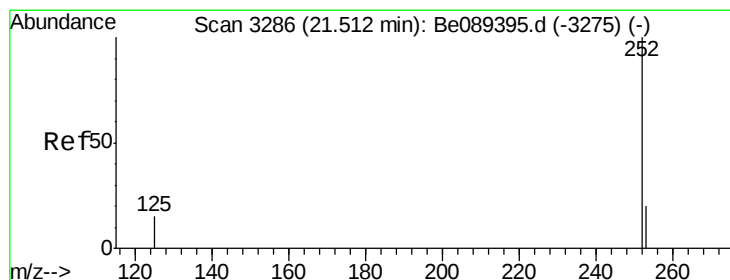
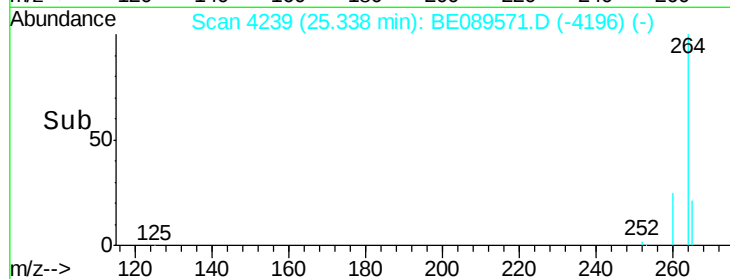
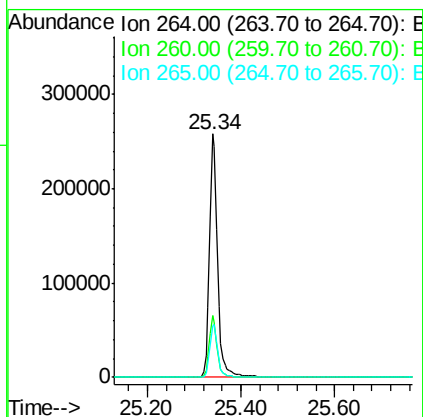
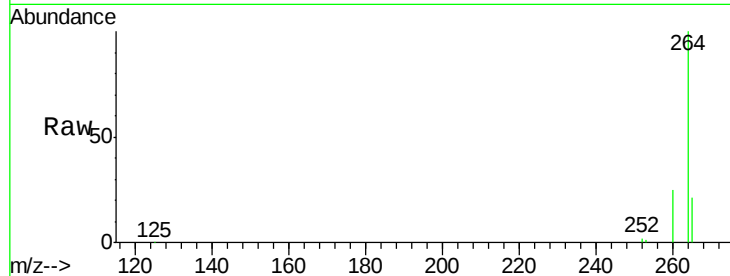




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4239
 Delta R.T. -0.00 min
 Lab File: BE089571.D
 Acq: 16 Feb 2015 15:48

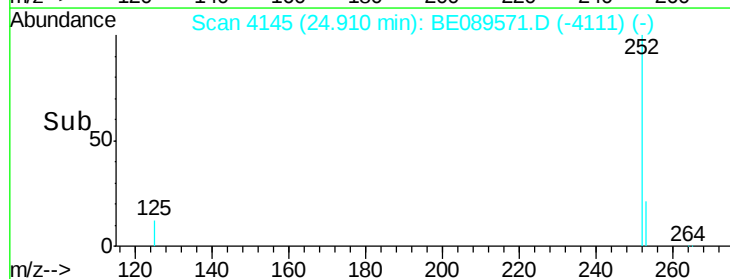
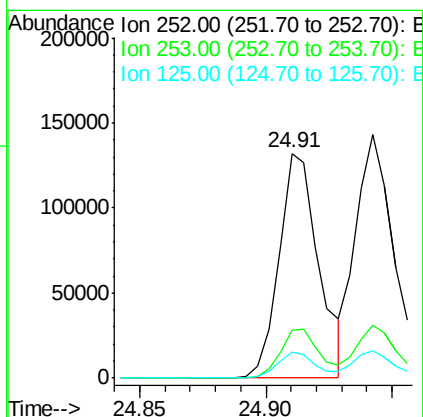
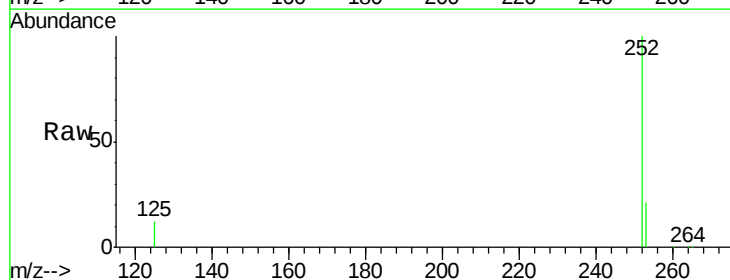
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

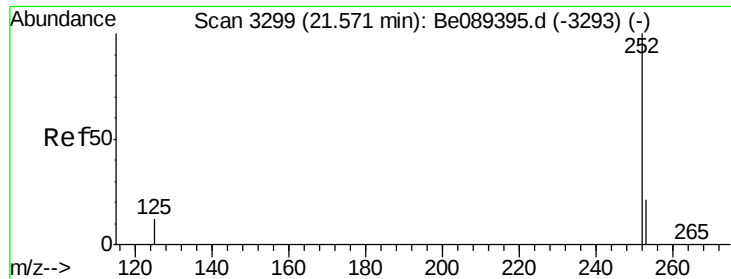
Tgt Ion: 264 Resp: 310647
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.6 30.8
 265 21.2 17.2 25.8



#28
Benzo(b)fluoranthene
 Concen: 5.27 ng
 RT: 24.91 min Scan# 4145
 Delta R.T. -0.01 min
 Lab File: BE089571.D
 Acq: 16 Feb 2015 15:48

Tgt Ion: 252 Resp: 143619
 Ion Ratio Lower Upper
 252 100
 253 21.4 18.9 28.3
 125 11.7 9.9 14.9





#29

Benzo(k)fluoranthene

Concen: 2.65 ng

RT: 24.94 min Scan# 4152

Delta R.T. -0.01 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDICC002

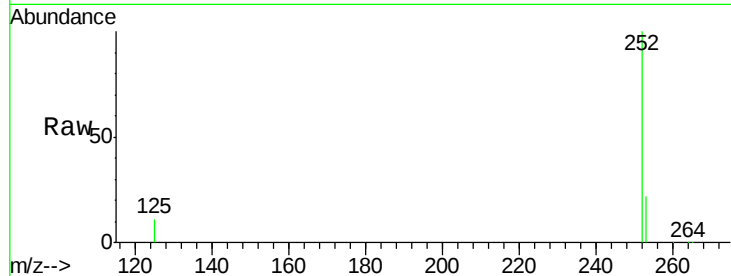
Tgt Ion:252 Resp: 171362

Ion Ratio Lower Upper

252 100

253 22.0 19.5 29.3

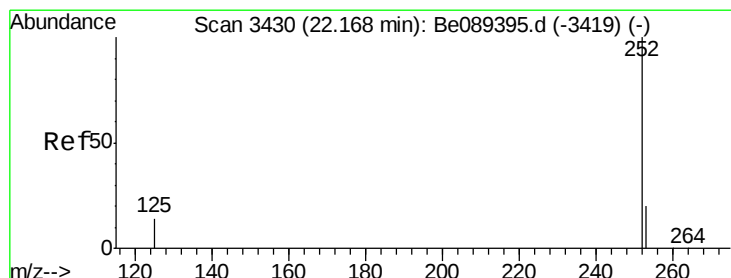
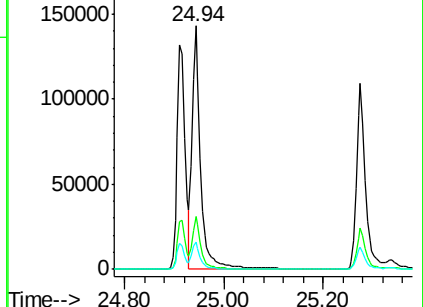
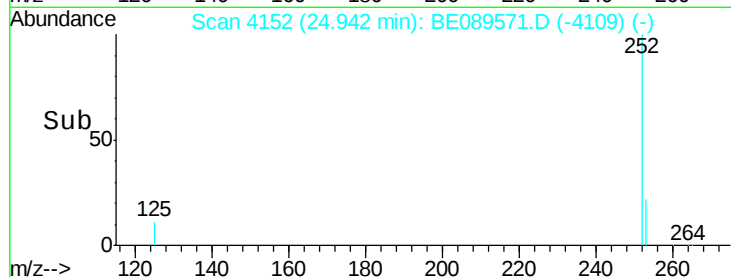
125 11.3 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#30

Benzo(a)pyrene

Concen: 3.79 ng

RT: 25.27 min Scan# 4225

Delta R.T. -0.00 min

Lab File: BE089571.D

Acq: 16 Feb 2015 15:48

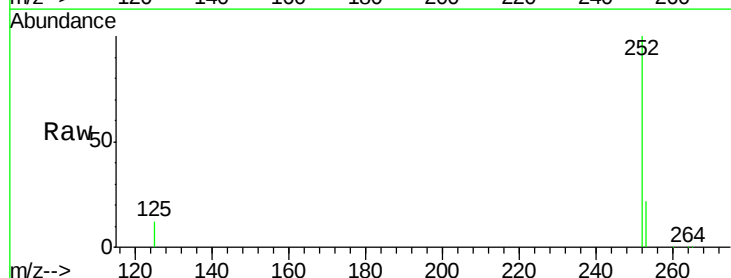
Tgt Ion:252 Resp: 132832

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

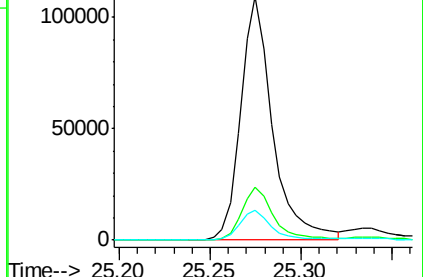
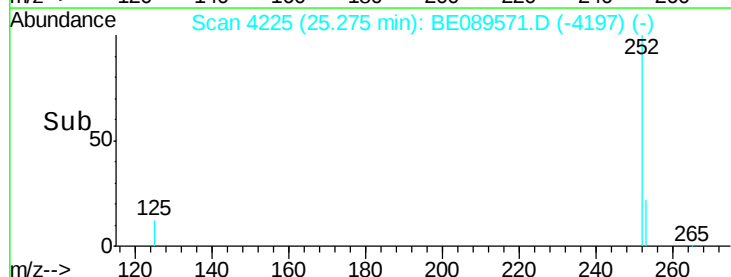
125 12.2 10.9 16.3

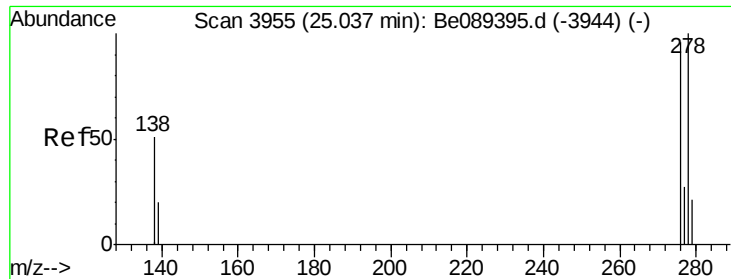


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 4.40 ng

RT: 26.78 min Scan# 4551

Delta R.T. -0.00 min

Lab File: BE089571.D

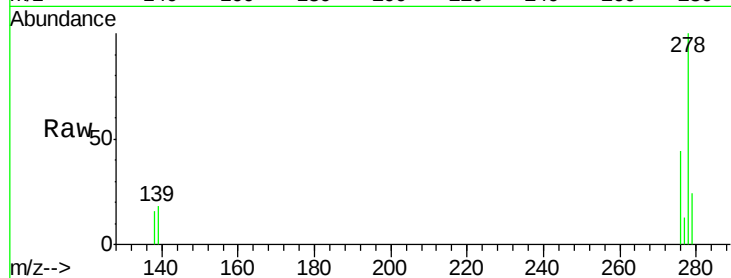
Acq: 16 Feb 2015 15:48

Instrument :

BNA_E

LabSampleId :

SSTDIC002



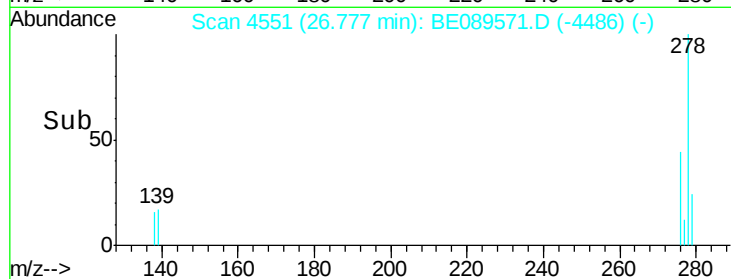
Tgt Ion: 278 Resp: 134066

Ion Ratio Lower Upper

278 100

139 17.6 15.5 23.3

279 23.9 19.8 29.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

